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Experimental Biology: Research on metabolic rates and routes in microorganisms, plants and animals. Respiration; nutrition; life cycles.

Biochemistry, Physiology and Behaviour: Biochemical research on marine organisms; photosynthesis; permeability; osmoregulation; ionregulation; active transport; adaptation; analyses of environmental effects on functions (tolerances, rates and efficiencies of metabolism, growth and reproduction) and structures; migrations; orientation; general behaviour.

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Evolution: Investigations on speciation, population genetics, and biological history of the oceans.

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